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McILVAINE

Moisture Meter



Tells
SAND
Moisture
at a Glance

FOUNDRY
SAND HANDLING EQUIPMENT

R. W. McILVAINE & CO.

53 W. Jackson Blvd.

CHICAGO, ILL.

You Don't Need To



THE establishing and maintaining of standards has come to be one of the most important principles of manufacturing. Only by the use of standards or "standard practices" may a product be kept uniformly good with minimum losses and maximum certainty of definite results.

This is especially true of metal founding, where so many variable factors enter into the product. Every foundryman recognizes the importance of UNIFORM SAND CONDITIONING. Whatever the class of work or whatever the metal to be cast, there is *ONE CERTAIN DEGREE OF MOISTURE* that best meets the requirements, and it is only by maintaining this standard condition that the best results can be obtained.

You, as an experienced foundryman, may be able to judge by the "feel" the approximate condition of your sand supply, but can you describe to a green molder or helper the exact "feel" of the sand for his job? No, because the sand that feels right today may feel too wet or too dry tomorrow. The atmosphere, the heat of the sand, the human element, any one of a hundred things enters into your guess.

Old laboratory methods of sand testing, while reasonably accurate, are too slow for production foundries, and realizing the advantage of being able to quickly tell the exact amount of moisture in any heap of sand, we have developed and thoroughly tested the McILVAINE MOISTURE METER, which tells accurately and instantaneously the condition of your sand.

It is now possible through the use of the McILVAINE MOISTURE METER not only to establish a standard temper or moisture content, but to check every heap on your floor as often as you please, without going near a laboratory or without making a single calculation. You simply walk up to the heap, thrust the lower end of the McILVAINE MOISTURE METER into the sand, and instantly the relative moisture is registered on the dial at the top of the instrument. Unevenness of cutting or tempering is at once apparent, as even small variations in moisture in the same pile are clearly shown by the instrument.

With a McILVAINE MOISTURE METER in use in your shop, there will be small excuse for loss of castings due to improper or insufficient tempering.

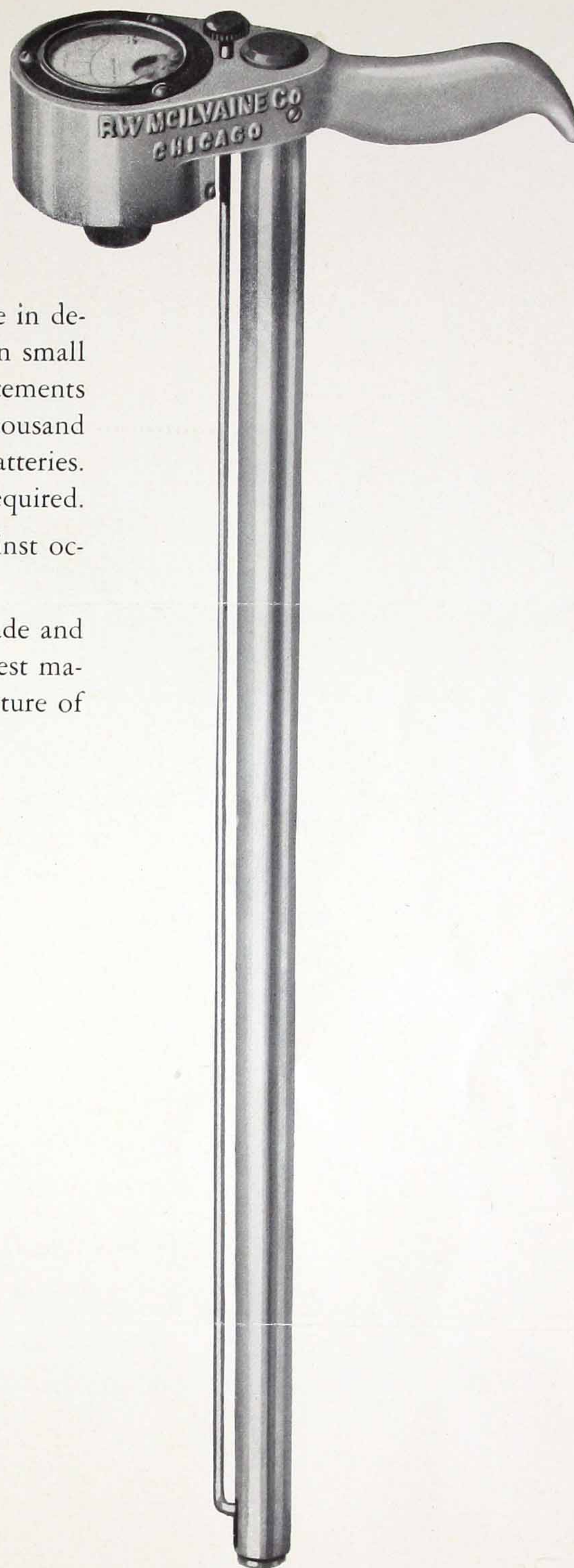
You Know — if you

Guess!

The **McILVAINE MOISTURE METER** is extremely simple in design and even more simple to use. The instrument operates on small flashlight batteries, obtained in any drug store, or we will ship replacements on order. Each set of batteries is good for at least one hundred thousand tests and only about five minutes is required to change the batteries. With ordinary service, about three sets of batteries a year would be required.

We also furnish a standard resistance to check the "meter" against occasionally to insure the highest accuracy.

The **McILVAINE MOISTURE METER** comes in a well made and nicely finished box with catches and a carrying handle. The best materials and workmanship obtainable are employed in the manufacture of this instrument.



Patent Pending

Use a Moisture Meter

